

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: November 17, 2005

Inspector: Brian Sakidovitch

Location: 345kV Underground Route

Storm/

Rain Event: Approximately 0.54- 1.02" of rain fell over 11/16-11/17 as reported by NOAA.

Areas of Inspection	Observation	Recommended Action
Vault Openings and Trench Construction	<ul style="list-style-type: none"> - Trenching and pipe installation, continue in several locations along Rt. 7 in Wilton. 10/27-11/17/05 Work near Catalpa Rd. is finishing up and sawcutting operation have moved to near the HS tennis courts 11/10/05 - Trenching and pipe installation, continued during the day along Umpawaug Road which is closed to through traffic. 10/5-11/17/05 Work is in the vicinity of Wayside Lane. - The Horizontal Direction Drill at School Rd. is ongoing but there are potential issues with the drilling muds. 11/17/05 - Vault work appeared to be completed in the Rt. 107/7 intersection island but bare soil remains. 11/17/05 - The jack and bore operation near the Georgetown Deli is ongoing. 11/2-11/17/05 	<ul style="list-style-type: none"> -Most of the work noted is just off the roadway edge and seems contained for the most part but there are a few issues that require attention. Continue providing good "house- keeping" along the roadways. 11/17/05 -Some issues were noted here See additional sections for more information. 11/17/05 -Some issues were noted with containment of drilling muds and erosion controls. See additional sections for more details. 11/10-11/17/05 - See erosion control section for more details. 11/17/05 - This area looks mostly well contained but see additional sections for more details. 11/17/05
Erosion and Sediment (E&S) Controls (includes inspection)	<ul style="list-style-type: none"> - Reseeding/restoration was noted in a number of areas and it is scheduled to continue. 	<ul style="list-style-type: none"> - Continue to restore disturbed areas in the appropriate time frame as per the D&M plan.

Areas of Inspection	Observation	Recommended Action
within 24 hours of a storm event)	11/17/05	11/17/05

Areas of Inspection	Observation	Recommended Action
<p>Erosion and Sediment (E&S)Controls (continued)</p> <p>Route 7</p>	<ul style="list-style-type: none"> - Attempt to control all catch basins as well as outlet points off the road when work is in the vicinity. Some areas were still lacking haybales including the Rt. 107/7 island and the Catalpa Rd. area. 11/10-11/17/05 - Stockpiles have been removed from the Catalpa Rd. area. 11/17/05 -If not already done so, the jack and bore area should be mulched/stabilized as soon as practicable. 11/10-11/17/05 - Restore or landscape the Rt. 107/7 island. 11/17/05 -It needs to be confirmed whether the sediment accumulation noted in the stream at the J& has been removed. 11/10-11/17/05 - At the HDD, the detention area was holding a significant amount of turbid water likely due to containment issues with the drilling muds. E&S controls beyond the basin could use some maintenance. Several spots had haybales in disrepair and sediment accumulation was noted under the fence in one location. 11/10-11/17/05 - The portion of the site to the east may still need to be encompassed in more silt fence. Especially as an apparent leak of drilling muds had migrated in this direction. 11/10-11/17/05 - Leaks of mud and washwater was noted near the return tank. 11/10-11/17/05 	<ul style="list-style-type: none"> - Make sure that haybales are placed in the catch basins during the work and continue to maintain them until bare soil is gone. Filter fabric is also an accepted measure if haybales are difficult to maintain. 11/17/05 - None at this time. Use E&S controls if piles remain for more than the day.11/17/05 -Continue restoration efforts along the roadway where work is complete. 11/17/05 -The least impacting way to remove the sediment is likely by hand/shovel. It should be done carefully and with the instream controls in place. 11/10-11/17/05 -Continuing to repair this outer erosion control lines is important as some sediment is still finding its way out to that point. 10/27-11/17/05 Containment issues with the drilling muds also needs attention- the basin should not be holding turbid washwater. 11/17/05 - Extend the silt fence to enclose this piece. 10/19-11/17/05 -Determine why the muds did not remain enclosed in the frac tank and make sure they remain contained. 11/17/05 - Remove any mud remaining adjacent to the silt fence and store properly. 11/17/05

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls (continued)		<p>- None at this time since this is not a result of the project. 11/2-11/17/05</p> <p>- The Norwalk river is immediately down gradient here so controls should be maintained. 11/10-11/17/05</p>
Rt. 107 Daywork		<p>- Continue to monitor carefully and be proactive in maintenance. 11/17/05</p> <p>- This is a good solution. None at this time. 11/17/05</p> <p>- The system is working well and water in the stream remains clear. 11/17/05</p> <p>-The contractor will also be placing some hay and stone on this side. 11/17/05</p>
Umpawaug Rd.		<p>-Turbid water should not be released to the streets with the potential to enter unprotected catch basins. Disturbed soil in this area also provides potential for sedimentation 11/10-11/17/05</p> <p>- Continue to be proactive in maintenance due to the wetlands immediately off the road here.11/17/05</p> <p>- Continue to provide restoration within adequate time. 11/17/05</p> <p>-Remove any accumulation attributed to the project and make sure haybale check dams are in place in swales. 11/17/05</p>

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	<ul style="list-style-type: none"> - The wet swale at Parsons Lane was disturbed due to activities in the past few weeks week. 11/10-11/17/05 - A large bare soil sloped area was noted along the shoulder of the roadway near a stream. Erosion controls are well in place but it is still unclear whether this is associated with the 345kV work. 11/2-11/17/05 	<ul style="list-style-type: none"> - The swale needs to be restored/reshaped due to some ruts created by the equipment movement. 11/10-11/17/05 - The bare soil should be stabilized as soon as possible if this work is part of the 345kV. 11/2-11/17/05
Adjacent Wetlands and Waterways	<ul style="list-style-type: none"> -At the jack and bore near Allens Meadow Park, the stream had some remaining. accumulated sediment. It needs to be determined whether this was removed. 11/10-11/17/05 -The stream at the Georgetown Deli jack and bore remains very clear. 11/17/05 - There is some concern for the wetlands adjacent to the HDD if the basin is being used for turbid washwater from the drilling muds. A significant rainstorm will likely make this overflow. 11/17/05 	<ul style="list-style-type: none"> - Hand shoveling is likely the best solution but very careful vac truck use may be an option depending on the amount of sediment. 10/27-11/17/05 -Continue to be proactive with erosion control maintenance. 11/17/05 - Determine cause of turbidity and how to contain mud issues. 11/17/05
Staging, Storage, and Parking Areas	<ul style="list-style-type: none"> - The silt fence at the equipment storage yard located on property south of the Rt. 7 &107 intersection is down in some of the areas closest to the road due to landowner activities. 10/27-11/17/05 -Additional silt fence is required at the School Rd. HDD area along the eastern side of the disturbed yard, especially as drilling muds and turbid water were noted here. 11/10-11/17/05 	<ul style="list-style-type: none"> - In general, materials should be placed appropriately in storage areas or immediately adjacent to work each night. No potentially spillable materials should be left behind or out overnight. 11/17/05 -Install the additional fence as soon as possible. 10/27-11/17/05 - Keep within the limits of the

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	<ul style="list-style-type: none"> - The racquet club storage yard is very active with a lot of materials. Make sure inlets here are protected. 10/27-11/17/05 - A small storage area remains at the Umpawaug Rd. Rt. 107 intersection. 11/17/05 - The CL&P yard has erosion controls well in place. 11/17/05 	<ul style="list-style-type: none"> yard and don't encroach into the brush. 10/27-11/17/05 - Continue to maintain fence here and restore ruts caused by equipment just down gradient from here. 11/2-11/17/05 - None at this time continue to monitor. 11/17/05
Soils	<ul style="list-style-type: none"> - Most soils along the project route are being trucked to a waste facility in Danbury for storage and eventual disposal. However, any soils from the work in Redding which meet the RSR levels are being used in the landfill as daily cover. - The stockpiles near the Catalpa Rd. area have been removed. 11/17/05 - Backfill soils are allowed to be stored along Umpawaug Rd. but only for the day. 10/5-11/17/05 	<ul style="list-style-type: none"> - Soils appear to be handled appropriately. 11/17/05 -In general, if any pile remain longer than the day, controls should be placed. 11/17/05 - If piles are stored longer, silt fence must be installed. 10/5-11/17/05
State species of concern, threatened and endangered species	<ul style="list-style-type: none"> - No species of concern are located in this area of construction. 	<ul style="list-style-type: none"> - N/A
Vegetative clearing limits (including trees to save or danger trees noted)	<ul style="list-style-type: none"> -Restoration has been noted in a number of locations along Rt. 7 and Umpawaug Rd. 11/10-11/17/05 	<ul style="list-style-type: none"> - Attend to disturbed areas in the appropriate time frames. 11/10-11/17/05
Dewatering	<ul style="list-style-type: none"> -Several frac tanks are still in place at the Georgetown Deli parking lot in order to hold the water from the jack and bore pits here. 11/17/05 - The system here seems to work well with filtration occurring in the tanks. The water is sent to a riprap pad, 	<ul style="list-style-type: none"> -None at this time. Continue to monitor for effectiveness. The water in the stream was very clear at the time. 11/17/05

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	through a silt fence and back to the stream .11/10-11/17/05	
Blasting	- No blasting is occurring on site at this time.	- None at this time.
Spills and Material Storage	- A pile of drilling muds was noticed below the holding tank and against the silt fence at the HDD site. The leaks seem to have continued and turbid wash water was noted in the basin here. 11/17/05	-Determine what is causing the overflow/loss of muds and contain them. Remove the piles that have formed and attempt to remove additional water from the basin. 11/17/05
	- In general, make sure that glues, asphalt components and other materials are stored well overnight and not left out along the roadway. Material storage issues were not noted at this inspection. 11/17/05	- The contractors should remain vigilant about securing and handling fuel containers. - Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. - Check equipment status on a regular basis and keep spill kits on hand. - Report spills immediately, even if they are being controlled.
Additional Observations		

Next likely scheduled inspection:

Wednesday, November 23, 2005

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature:

Diana Walden for Brian Sakidovitch



345kV (Umpawaug Rd Daywork): View of the work in the vicinity of Wayside Lane with silt fence that has been installed appropriately along the wetland edge. 11/17/05



Photo on the left shows some reseeded/restoration efforts. Photo on the right shows a view of the trenching efforts leading north from Wayside Lane. 11/17/05



345kV (Route 107- Georgetown Jack and Bore): View looking along Rt. 107 at the grass re-growth at a restored area just north of the Georgetown Deli. 11/17/05



View of the boom still in place across the downstream portion of the brook. Turbidity issues were not noted in the stream.



345kV (Rt. 7): Photo on the left shows the bare/disturbed soil at the Rt 107/7 intersection where haybales or fabric should be placed on the catch basin. Photo on the right shows the silt fence down around the storage yard near #848 Danbury Rd. due to landowner activities. 11/17/05



View of the work finishing up in the vicinity of Catalpa Rd. Stockpiles noted last week have been removed. 11/17/05



345kV (School St. HDD): Photo on the left shows the equipment for the bore operation. Photo on the right shows the return tank for drilling muds with some leaking issues still noted. 11/17/05



View of the basin with a large amount of standing turbid water. The turbidity issues may be related to drilling mud and washwater containment issues. 11/17/05



345kV (HDD): View of one of the locations where the outer perimeter erosion controls need some maintenance. 11/17/05



Photo of one of the spots where sediment has been able to migrate through the outer perimeter controls.